

PRE-DEMOLITION ASBESTOS/HAZARDOUS MATERIALS SURVEY

Report Date:	November 29, 2017							
Client:	Genesee County Land Bank Authority							
Project No:	11785s-3-194							
Site Location:	902 North Stevenson Stree	t		Parcel No. 40-12-354-032				
Inspection Date:	November 10, 2017	quare	Footage:		1,250 SF (Total)			
Inspector:	Mark Breeden Accreditation A44842			Signature:		malsul		
Reviewer:	Jeff Carr Accreditation A36083			Signature:		# S.Com		

AKT Peerless Environmental and Energy Services (AKT Peerless) was retained by the Genesee County Land Bank Authority (GCLBA) to perform a Pre-Demolition Asbestos and Hazardous Materials (HAZMAT) Survey of the above referenced property. The purpose of the survey was to identify building materials containing asbestos and other obvious hazardous substances/items that require removal from the property and/or special handling procedures in advance of structure demolition.

SITE PHOTOGRAPHS

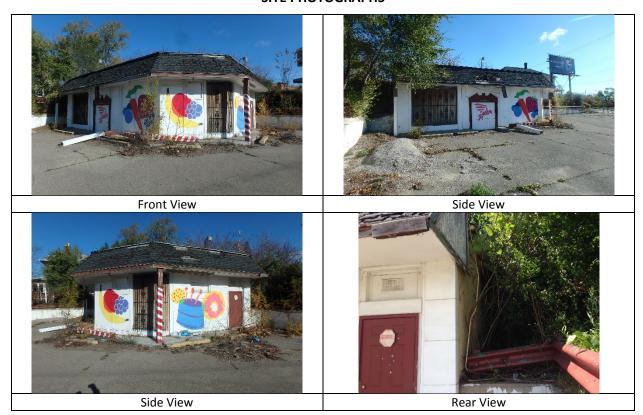




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1.0 INTRODUCTION

AKT Peerless Environmental and Energy Services (AKT Peerless) was retained by the Genesee County Land Bank Authority (Client) to perform a Pre-Demolition Asbestos and Hazardous Materials (HAZMAT) Survey of the above referenced property. The purpose of the survey was to identify building materials containing asbestos and other obvious hazardous substances/items that require removal from the property and/or special handling procedures in advance of structure demolition.

2.0 ASBESTOS SURVEY RESULTS

AKT Peerless conducted field sampling for suspect asbestos containing materials on November 10, 2017. The following suspect materials were identified at the site:

SUSPECT MATERIALS SUMMARY (ASBESTOS MATERIALS IN BOLD CAPS)

Material Description	НА	Identified Locations	Estimated Quantity (Including Associated Debris)	F/NF	Asbestos Content
Drywall w/ joint compound	1	Throughout	2,700 SF	NF	NAD
12" White w/ gray specks floor tile and mastic	2	FS-1, FS-4, FS-5	300 SF	NF	NAD
White textured paint	3	FS-1, FS-4, FS-5	450 SF	F	NAD
2'x4' White w/ pinhole and fissures ceiling tile	4	FS-1, FS-4	1,000 SF	F	NAD
Black base cove and associated adhesive	5	FS-1, FS-4, FS-5	50 SF	NF	NAD
12" Black floor tile and mastic	6	FS-2	120 SF	NF	NAD
12" White floor tile and mastic	7	FS-2	200 SF	NF	NAD
Tan panel adhesive	8	FS-1, FS-4, FS-5	80 SF (Adhesive)	NF	NAD
Roofing materials	9	FS-8	1,250 SF	NF	NAD

F = Friable NF = Non-friable FS = Functional Space NAD = No Asbestos Detected

CHR = Chrysotile AMO = Amosite SF = Square Feet LF = Linear Feet

MF = Mud Fittings PC = Point Count ACM = >1% asbestos content

T = Tile M = Mastic

Site Photographs are presented in Appendix A. Refer to Appendix B for a Homogenous Areas Summary Table and a Function Space Table. Laboratory results and chain of custody are included in Appendix C.



Asbestos Recommendation:

- 1. Suspect materials discovered during the demolition are required to be assumed asbestos containing and handled appropriately in accordance with State and Federal Regulations. Any associated debris identified in conjunction with identified ACM should be removed with the parent material.
- 2. Due to heavy debris within the building, AKT Peerless was unable to fully quantify materials. AKT Peerless attempted to quantify materials based on visual observations made during the survey. Further, it is AKT Peerless' opinion additional quantities of ACM may be identified during demolition and disposed of in accordance with State and Federal Regulations.

3.0 HAZMAT INVENTORY RESULTS

During the Hazardous Material Survey, AKT Peerless observed the existence of various types of potentially hazardous materials in the building. An inventory of hazardous building materials and containers was prepared and is included in Appendix B.

The survey was conducted to identify universal hazardous wastes or regulated materials/wastes. The building was inspected for potential hazardous materials, such as polychlorinated biphenyls (PCBs) or oil containing light ballasts, batteries, chlorofluorocarbon-containing equipment, smoke detectors, exit signs, mercury light tubes and switches, and underground storage tanks (USTs). No intrusive examination or contact with manufacturers, sample collection, or testing of this equipment was performed. No sampling of any hazardous component materials was performed.

AKT Peerless recommends that qualified contractors perform the removal of these materials and follow appropriate special handling and disposal measures, which are required before general building demolition.

Hazardous Materials Recommendation:

1. The materials included in Appendix B and other items banned from landfill disposal, identified during the demolition should be properly removed and disposed of in accordance with applicable regulations.

4.0 LIMITATIONS AND EXCEPTIONS OF THE SURVEY

The following general limitations were encountered during the preparation of this survey:

• AKT Peerless uses trained and licensed inspectors in attempting to locate and identify materials potentially containing some form of hazardous material (i.e., asbestos, PCBs, etc.). The possibility exists that AKT Peerless did not identify all asbestos and hazardous materials within the buildings. Some buildings may have hidden spaces that may not be immediately obvious to a surveyor, who is not intimately familiar with the building and who has only a limited time in the building. There may be additional asbestos hazardous materials that were not found because they were not visible or accessible to the inspection team. Asbestos, PCBs, and mercury were used in a variety of building components and in many types of materials in the construction of



buildings. In some of these materials, a hazardous material may be present, not as an intentional ingredient, but as a contaminant.

The following building-specific limitations apply to this HazMat Survey:

- Areas enclosed by fixed wall, ceiling systems, and roofing systems were restricted to limited visual access in identifying materials such as, but not limited to: pipe wrap, mud fittings, roof flashing, caulks, etc. Fixed wall and ceiling systems included plaster, drywall partitions, concrete, and masonry. Roofing systems included multiple layers of materials. These systems are installed throughout the exterior and interior areas of the buildings. Due to pre-existing damage or destructive search techniques, limited inspections were performed of the internal ceiling and wall cavities, as well as roofing areas. Representative intrusive observations were made inside ceilings and walls, as well as below flooring materials such as floor tiles and roofing. As such, a complete survey and delineation of all hidden materials were not performed. <u>Due to these limitations</u>, actual quantities of hazardous materials present may be greater than those inventoried as part of this survey.
- AKT Peerless' proposed scope of work for this survey was specifically designed to support facility demolition.
- Inaccessible suspect materials observed were assumed to contain asbestos.
- Access to suspect ACM was restricted in areas defined as being located within a regulated confined space (i.e., such as crawl spaces, pipe chases, pipe trenches, attic, tunnel systems, etc.). These areas require the use of trained confined space professionals, personnel protective equipment, and rescue personnel. AKT Peerless did not access confined space areas.
- During the survey, lighting within the subject building was limited. AKT Peerless used portable spotlights and flashlights to improve general viewing conditions.
- During the survey, multiple areas of heavy debris, stored items, water damage, building contents, and heavy vegetation within building interior and property exterior limited the inspection.
- During the survey, no dismantling of electrical or mechanical equipment were conducted. The
 electrical and mechanical systems were deactivated and inoperable. Since trade personnel was
 not available (i.e. electricians, plumbers, boiler workers, etc.), no dismantling of equipment was
 performed to identify the existence of PCBs containing components, mercury switches or
 asbestos insulation was performed.
- Estimated and not estimated quantities of materials reported are based on observations and
 estimates made by AKT Peerless at the time of the inspection. Specific materials including, but
 not limited to: roof flashing, roofing materials, tar coatings, building caulks, and wall adhesives
 were located in inaccessible areas such as behind fixed walls or ceilings, unsafe areas, confined
 spaces, and/or elevated heights (typically over 16-feet above ground level). <u>Due to these</u>
 limitations, actual quantities may vary from those estimated as part of this survey.



Other limitations pertaining to material accessibility or characterization may also be described in the survey data tables contained herein.

Quantities of identified ACM reported in this document are provided for reference only and are not authorized to be relied upon for Contractor abatement bidding purposes. AKT Peerless strongly cautions against utilizing the reported material quantities without field verification. It is expected that contractors will utilize their own quantities when preparing bid pricing. AKT Peerless recommends that a contingency allowance be used to address estimating method uncertainties for quantified materials.

Appendix A

Photographs



INTERIOR VIEW OF SUBJECT BUILDING



INTERIOR VIEW OF SUBJECT BUILDING



PROPERTY PHOTOGRAPHS

902 NORTH STEVENSON STREET FLINT, MICHIGAN

TAKEN BY: M. BREEDEN DATE: 10/10/2017

PROJECT NUMBER: 11785s



INTERIOR VIEW OF SUBJECT BUILDING



INTERIOR VIEW OF SUBJECT BUILDING



PROPERTY PHOTOGRAPHS

902 NORTH STEVENSON STREET FLINT, MICHIGAN

TAKEN BY: M. BREEDEN DATE: 10/10/2017

PROJECT NUMBER: 11785s

Appendix B

Tables



FUNCTIONAL SPACE (FS) LISTING

CLIENT: GCLBA

PROJECT NO: 11785s-3-194

PROJECT ADDRESS: 902 North Stevenson Street, Flint, Michigan

Functional Space	
No.	Description
FS-1	Main salon
FS-2	Storage
FS-3	Bathroom
FS-4	Salon #1
FS-5	Salon #2
FS-6	Utility room
FS-7	Side entrance
FS-8	Exterior



HOMOGENEOUS AREA SUMMARY TABLE

Client: GCLBA
AKT Project No.: 11785s-3-194

Site Address: 902 North Stevenson Street, Flint, Michigan

HA No.	Material Description	Material Location	Material Class	Approx. Quantity	Friability	Asbestos Content
1	Drywall with joint compound	Throughout Building	ММ	2,700 SF	NF	Drywall - NAD Joint Compound - NAD
2	12" White w/ gray specks floor tile and mastic	FS-1, FS-4, FS-5	ММ	300 SF	NF	Floor Tile - NAD Mastic - NAD
3	White textured paint	FS-1, FS-2, FS-3	ММ	450 SF	NF	NAD
4	2'x4' White w/ pinhole and fissures ceiling tile	FS-1, FS-4	ММ	1,000 SF	F	NAD
5	Black base cove and associated adhesive	FS-1, FS-4, FS-5	ММ	50 SF	NF	Base Cove - NAD Adhesive - NAD
6	12" Black floor tile and mastic	FS-2	ММ	120 SF	NF	Floor Tile - NAD Mastic - NAD
7	12" White floor tile and mastic	FS-2	ММ	200 SF	NF	Floor Tile - NAD Mastic - NAD
8	Tan panel adhesive	FS-1, FS-4, FS-5	ММ	80 SF	NF	NAD
9	Roofing materials	FS-8	ММ	1,250 SF	NF	NAD

MM = Miscellaneous Material SM = Surfacing Material NF = Not Friable F = Friable TSI = Thermal System Insulation

CT= Count

NE = Not Estimated

CHR = Chrysotile CRO = Crocidolite SF = Square Feet LF = Linear Feet

NAD = No Asbestos Detected

PC = Point Count

TRE = Tremolite
AMO = Amosite



Project Address: 902 North Stevenson Street, Flint, Michigan

Project Number: 11785s-3-194

Hazardous Material Inventory

n # r p				Types of Bulbs		ν				v	, ,	o)			of	_			
Materials Location Functional Space #	Hydarulic Elevator Motor and Associated Components	Exit Signs w/Lighting & Battery	CFL's	Mercury Vapor	4' Fluorescents	8' Flourescents	Light Ballasts	Smoke Detectors	Door Actuator	Thermostat / Thermometer	Fire Extinguishers	Misc. Electronics	Tubes of Adhesive	Aerosol Cans	Misc. Cleaners	5 Gallon Containers Paint	Automotive Fluid Containers	Overhead Door Motors	Tires
								Qu	antities										
1					32		7			1		2							
2						4	4												
3																			
4																			
5					6		2			1									
6										1			1						
7												1	1	2	3				
8				2															
Totals	0	0	0	2	38	4	13	0	0	3	0	3	2	2	3	0	0	0	0

Appendix C

Laboratory Reports and Chain of Custody





Project: 902 North Stevenson, Flint MI Project #: 11785s

Report To:

Mr. Heath Bobick **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607 ARI Report # 17-73137

Date Collected: 11/10/17 Date Received: 11/15/17

Date Analyzed: 11/20/17 Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 01

Cust. #: 1-1

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 2

Lab ID #: 73137 - 01a

Cust. #: 1-1

Material: Joint Compound

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 73137 - 02

Location:

Asbestos Present: **NO**

No Asbestos Observed

Asbestos Present: **NO**

Asbestos Present: **NO**

No Asbestos Observed

No Asbestos Observed

Cellulose - 20%

Other - 80%

Other - 100%

Cellulose - 20%

Other - 80%

Cust. #: 1-2 Material: Drywall

Appearance: white, fibrous, nonhomogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 2

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield faise/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.





Project: 902 North Stevenson, Flint MI Project #: 11785s

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Date Collected: 11/10/17 Date Received: 11/15/17

Date Analyzed: 11/20/17 Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

No Asbestos Observed

Non-Asbestos

Lab ID #: 73137 - 02a

Cust. #: 1-2

Material: Joint Compound

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 73137 - 03

Cust. #: 1-3

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 2

Lab ID #: 73137 - 03a

Cust. #: 1-3

Material: Joint Compound

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO**

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Cellulose - 20%

Other - 80%

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

No Asbestos Observed

No Asbestos Observed

Non-Asbestos

Lab ID #: 73137 - 04

Cust. #: 1-4

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 2

Lab ID #: 73137 - 04a

Cust. #: 1-4

Material: Joint Compound

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 73137 - 05

Cust. #: 1-5 Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 2

Asbestos Present: **NO**

Cellulose - 20%

Other - 80%

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO**

Cellulose - 20%

No Asbestos Observed

Other - 80%

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Date Collected: 11/10/17 Date Received: 11/15/17

Date Analyzed: 11/20/17 Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 05a

Cust. #: 1-5

Material: Joint Compound

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 73137 - 06

Cust. #: 2-1

Material: 12" White w/ Grey Specks Floor Tile

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 73137 - 06a

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

Cust. #: 2-1 Material: Mastic

No Asbestos Observed

Asbestos Present: **NO**

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 100%

Other - 100%

Lab ID #: 73137 - 07

Cust. #: 2-2

Material: 12" White w/ Grey Specks Floor Tile

Location:

Appearance: beige, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 73137 - 07a

Cust. #: 2-2 Material: Mastic

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 73137 - 08

Cust. #: 3-1

Material: White Textured Paint

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Asbestos Present: **NO**

No Asbestos Observed

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 09

Cust. #: 3-2

Material: White Textured Paint

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Lab ID #: 73137 - 10

Cust. #: 3-3

Material: White Textured Paint

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Lab ID #: 73137 - 11

Cust. #: 4-1

Material: 2x4 White w/ Pinhole/Fissures CT

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Cellulose - 65%

Mineral Wool - 30%

Other - 5%

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO**

No Asbestos Observed

Non-Asbestos

Mineral Wool - 30%

Cellulose - 65%

Cellulose - 65%

Other - 5%

Mineral Wool - 30%

Other - 5%

Lab ID #: 73137 - 12

Cust. #: 4-2

Material: 2x4 White w/ Pinhole/Fissures CT

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 73137 - 13

Cust. #: 4-3

Material: 2x4 White w/ Pinhole/Fissures CT

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO**

No Asbestos Observed

No Asbestos Observed

Asbestos Present: **NO** Other - 100%

Lab ID #: 73137 - 14

Cust. #: 5-1

Material: Black Base Cove

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 100%

Lab ID #: 73137 - 14a

Cust. #: 5-1

Material: Adhesive

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 73137 - 15

Cust. #: 5-2

Material: Black Base Cove

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 73137 - 15a

Cust. #: 5-2

Material: Adhesive

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

isoestos Type/Teleent Tton 7

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Asbestos Present: **NO** Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Other - 100%

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 16

Cust. #: 6-1

Material: 12" Black Floor Tile

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 73137 - 16a

Cust. #: 6-1 Material: Mastic

Location:

Appearance: yellow,nonfibrous,nonhomogenous

Layer: 2 of 2

Lab ID #: 73137 - 17

Cust. #: 6-2

Material: 12" Black Floor Tile

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

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Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 17a

Cust. #: 6-2 Material: Mastic

Location:

Appearance: yellow,nonfibrous,nonhomogenous

Layer: 2 of 2

Lab ID #: 73137 - 18

Cust. #: 7-1

Material: 12" White Floor Tile

Location:

Appearance: beige, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 73137 - 18a

Location:

Appearance: yellow,nonfibrous,nonhomogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 2 of 2

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Other - 100%

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

Cust. #: 7-1 Material: Mastic

Asbestos Present: **NO**

No Asbestos Observed

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield faise/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.





Project: 902 North Stevenson, Flint MI Project #: 11785s

Report To:

Mr. Heath Bobick AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 17-73137

Date Collected: 11/10/17 Date Received: 11/15/17 Date Analyzed: 11/20/17

Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO**

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 73137 - 19

Cust. #: 7-2

Material: 12" White Floor Tile

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO**No Asbestos Observed

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 73137 - 19a Cust. #: 7-2

Material: Mastic

Location:

Appearance: yellow,nonfibrous,nonhomogenous

Layer: 2 of 2

Lab ID #: 73137 - 20

Cust. #: 8-1

Material: Tan Panel Adhesives

Location:

Appearance: yellow,nonfibrous,homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 1

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.





Project: 902 North Stevenson, Flint MI Project #: 11785s

Report To:

Mr. Heath Bobick **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607 ARI Report # 17-73137

Date Collected: 11/10/17 Date Received: 11/15/17 Date Analyzed: 11/20/17

Date Reported: 11/21/17

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 73137 - 21

Cust. #: 8-2

Material: Tan Panel Adhesives

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 73137 - 22

Cust. #: 9-1

Material: Roofing Materials

Location:

Appearance: black, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 73137 - 23

Cust. #: 9-2

Material: Roofing Materials

Location:

Appearance: black, fibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 1

Asbestos Present: **NO**

No Asbestos Observed

Asbestos Present: **NO**

Asbestos Present: **NO**

No Asbestos Observed

Other - 100%

Cellulose - 35%

Other - 65%

No Asbestos Observed

Other - 70%

Cellulose - 30%

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield faise/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

₹ 73137

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			http://apexresearch-inc.com.	Email: Robert.Lo	etarte@apexr	esearchlab.com	APEA RESEARCH	
Customer Name:		AKT Peerless			f Survey:	Lab Use Only		
Address: 214 Jane	es A	venue		Project:	902 North S	Log-In:		
City, St., Zip: Sag	gina	w, MI 48607			#: 11785	Report:		
Phone: 989-754-9			-3804	•			ĺ	
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	~~~~~	(Test Till Positive)	Lead:	Paint		Wipe	_	
Lab ID		Customer ID#	N	Material/Lo	cation		Results	
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	2	1-2		DRYWAL	L			٦
	3	1-3		DRYWAL	L			ヿ
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	S	1-5		DRYWAL				٦
	6	2-1		W/GRAY SPE				7
	7	2-2	12" WHITE		٦			
	4	3-1		IITE TEXTURE			-	٦
	9	3-2		IITE TEXTURE				7
	10	3-3		ITE TEXTURE				٦
	11	4-1	2X4 WHITE W/PI					]
	19	4-2	2X4 WHITE W/PII					]
	13	4-3	2X4 WHITE W/PII					
	14	5-1	BLACK BASE CO					]
	15	5-2	BLACK BASE CO			HESIVES		
·	16	6-1		" BLACK FLOC				╛
	17	6-2 7-1		" BLACK FLOC				
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Relinquished By: 4 Date: 11-10-2017 4PM Revision Date: June/2011

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Received By: